

Here's a detailed functional hierarchy for each role, incorporating technical aspects and functionalities based on the RFP:

1. Student Athlete Role

- **Account Management**
 - **Login/Signup**
 - Email/Password Authentication
 - Social Media Login (Optional)
 - Account Verification (Email/SMS)
 - Password Reset Functionality
 - **Profile Management**
 - Personal Information (Name, Age, School, Sport)
 - Privacy Settings (Data Sharing, Notifications)
 - Goal Setting (Personalized Targets)
 - Progress Tracking (Visualizations, Charts)
- **Content Consumption**
 - **Wellness & Prevention Modules**
 - Physical Fitness & Activity
 - Exercise Tracking (Built-in or Integration with Wearables)
 - Workout Plans (Personalized or Pre-designed)
 - Progress Tracking (Metrics, Goals)
 - Healthy Eating Habits
 - Food Diary (Calorie Tracking, Macro Tracking)
 - Recipe Database (Healthy Options)
 - Nutrition Tips & Education
 - Adequate Sleep Habits
 - Sleep Tracking (Sleep Patterns, Duration)
 - Sleep Tips & Education
 - Sleep Hygiene Recommendations
 - Stress Management & Control
 - Mindfulness Techniques (Guided Meditations, Breathing Exercises)
 - Stress Management Tools (Journaling, Relaxation Techniques)
 - Stress Awareness & Education
 - Substance Misuse Prevention
 - Information on Substance Abuse (Risks, Consequences)
 - Resources for Help (Hotlines, Support Groups)
 - Decision-Making Tools (Scenario-Based Questions)
 - **Resource Center**
 - Local & National Resources (Mental Health, Substance Abuse, etc.)
 - Links to Relevant Websites & Organizations
 - Contact Information for Support Services
 - **Educational Content**
 - Articles, Videos, Podcasts (Related to Wellness, Prevention)
 - Interactive Quizzes & Games (Reinforce Learning)
 - Personalized Recommendations (Based on User Profile)
- **Engagement & Interaction**
 - **Community Forum**
 - Discussion Boards (Share Experiences, Ask Questions)
 - Private Messaging (Connect with Coaches, Peers)
 - Moderation Tools (Prevent Inappropriate Content)
 - **Challenges & Rewards**
 - Participate in Challenges (Track Progress, Earn Points)
 - Reward System (Badges, Achievements, Prizes)
 - Gamification Elements (Increase Motivation)
 - **Notifications & Reminders**
 - Personalized Reminders (Workout, Meal, Sleep)
 - Push Notifications (Updates, Events, Challenges)
 - Email Notifications (Account Activity, Progress Reports)
- **Data & Reporting**
 - **Progress Tracking**
 - Visualize Progress (Charts, Graphs, Metrics)
 - Track Goals & Achievements
 - Generate Personalized Reports
 - **Data Collection**
 - Anonymized Data (Usage Patterns, Content Engagement)

- Data Privacy & Security (Compliance with Regulations)
- Data Sharing (With Coaches, DSCYF/DPBHS, Optional)

2. Coach/Athletic Director Role

- **Account Management**
 - **Login/Signup**
 - Same as Student Athlete (Email/Password, Social Media)
 - **Profile Management**
 - Team Information (School, Sport, Roster)
 - Communication Preferences (Notifications, Email)
- **Team Management**
 - **Roster Management**
 - Add/Remove Student Athletes
 - View Athlete Profiles
 - Assign Roles (Captain, Team Leader)
 - **Content Management**
 - Access Team-Specific Content (Workout Plans, Resources)
 - Customize Content (Add Local Links, Articles)
 - Share Content with Athletes (Push Notifications, Email)
- **Monitoring & Tracking**
 - **Athlete Progress**
 - View Individual Athlete Progress (Goals, Metrics)
 - Generate Team Reports (Overall Performance)
 - Identify Athletes Needing Support (Based on Data)
 - **App Usage**
 - Track App Usage by Athletes (Engagement, Content Consumption)
 - Identify Areas for Improvement (Content, Features)
- **Communication & Collaboration**
 - **Messaging**
 - Send Messages to Individual Athletes or the Entire Team
 - Group Chat Functionality (Team Discussions)
 - **Notifications**
 - Send Push Notifications to Athletes (Reminders, Updates)
 - Email Notifications (Team Announcements, Progress Reports)
 - **Resource Sharing**
 - Share Relevant Resources with Athletes (Links, Articles)
 - Create Team-Specific Resource Lists

3. DSCYF/DPBHS Staff Role

- **Admin Panel**
 - **Content Management**
 - Add/Edit/Delete Content (Modules, Resources, Articles)
 - Create & Manage Categories (Wellness, Prevention)
 - Upload & Manage Media (Images, Videos, Audio)
 - **User Management**
 - Create/Edit/Delete User Accounts (Student Athletes, Coaches)
 - Assign Roles & Permissions
 - Manage User Groups (Schools, Teams)
 - **Data & Analytics**
 - View App Usage Data (Engagement, Content Consumption)
 - Generate Reports (Overall App Performance, User Behavior)
 - Analyze Data to Improve App Functionality
 - **Communication & Notifications**
 - Send System-Wide Announcements (Push Notifications, Email)
 - Create Targeted Campaigns (Specific User Groups)
 - Manage Feedback & Support Requests
 - **Integration & Customization**
 - Integrate with External Systems (Data Sources, APIs)
 - Customize App Features (Branding, Language)
 - Manage App Updates & Releases

Note: This is a comprehensive functional hierarchy, and the actual implementation might vary depending on the specific requirements and budget of the project.